

CLAIMS

We Claim:

1. An entertainment system for a passenger compartment of a vehicle, comprising: a lamp assembly mountable within the passenger compartment of the vehicle and having a light source connectable to a power source and adapted to illuminate the passenger compartment, and a transmitter connectable to an audio source and adapted to receive information from said audio source and to transmit signals containing the information within the passenger compartment of the vehicle.
  
2. An entertainment system for a passenger compartment of a vehicle as claimed in claim 1, wherein said transmitter is an LED transmitter.
  
3. An entertainment system for a passenger compartment of a vehicle as claimed in claim 1, wherein said transmitter is an infrared transmitter adapted to transmit infrared signals.
  
4. An entertainment system for a passenger compartment of a vehicle as claimed in claim 1, wherein said signals are digital signals.
  
5. An entertainment system for a passenger compartment of a vehicle as claimed in claim 1, further comprising wiring connecting said transmitter to said audio source.

6. An entertainment system for a passenger compartment of a vehicle, comprising:

a lamp assembly mountable within the passenger compartment of the vehicle and having a light source connectable to a power source and adapted to illuminate the passenger compartment and a transmitter connectable to an audio source and adapted to receive information from said audio source and to transmit signals containing the information within the passenger compartment of the vehicle; and

at least one pair of wireless headphones equipped with a sensor, which is capable of receiving said signals, and adapted to convert to said signals into sound.

7. An entertainment system for a passenger compartment of a vehicle as claimed in claim 6, wherein said transmitter is an LED transmitter.

8. An entertainment system for a passenger compartment of a vehicle as claimed in claim 6, wherein said transmitter is an infrared transmitter adapted to transmit infrared signals.

9. An entertainment system for a passenger compartment of a vehicle as claimed in claim 6, wherein said signals are digital signals and said audio source or said lamp assembly contains an A/D converter.

10. An entertainment system for a passenger compartment of a vehicle as claimed in claim 6, further comprising wiring connecting said transmitter to said audio source.

11. A method of supplying an entertainment system for a passenger compartment of a vehicle, comprising:

supplying a vehicle manufacturer with a lamp assembly mountable within the passenger compartment of the vehicle and having a light source connectable to a power source and adapted to illuminate the passenger compartment and a transmitter connectable to an audio source and adapted to receive information from said audio source and to transmit signals containing the information within the passenger compartment of the vehicle; and

supplying consumers with wireless headphones equipped with a sensor, which is capable of receiving signals, and adapted to convert said signals into sound.

12. A method of supplying an entertainment system for a passenger compartment of a vehicle as claimed in claim 11, wherein said transmitter is an LED transmitter.

13. An entertainment system for a passenger compartment of a vehicle as claimed in claim 11, wherein said transmitter is an infrared transmitter adapted to

transmit infrared signals and said sensor is an infrared sensor adapted to convert infrared signals into sound.

14. A method of supplying an entertainment system for a passenger compartment of a vehicle as claimed in claim 11, wherein said signals are digital signals and said audio source or said lamp assembly contains an A/D converter.

15. A method of supplying an entertainment system for a passenger compartment of a vehicle as claimed in claim 11, further comprising the acts of providing wiring, installing the wiring in the vehicle, and connecting the transmitter and the audio source with the wiring.

16. A method of supplying an entertainment system for a passenger compartment of a vehicle, comprising the following steps:

providing a lamp assembly mountable within the passenger compartment of the vehicle and having a light source connectable to a power source and adapted to illuminate the passenger compartment and a transmitter connectable to an audio source and adapted to receive information from said audio source and to transmit signals containing the information within the passenger compartment of the vehicle;

removing an existing fixture from the passenger compartment of the vehicle; and

mounting said lamp assembly to the passenger compartment of the vehicle.

17. A method of supplying an entertainment system for a passenger compartment of a vehicle as claimed in claim 16, wherein said transmitter is an LED transmitter.

18. A method of supplying an entertainment system for a passenger compartment of a vehicle as claimed in claim 16, wherein said transmitter is an infrared transmitter adapted to transmit infrared signals.

19. A method of supplying consumers with an entertainment system for a passenger compartment of a vehicle as claimed in claim 16, wherein said signals are digital signals and said audio source or said lamp assembly contains an A/D converter.

20. A method of supplying consumers with an entertainment system for a passenger compartment of a vehicle as claimed in claim 16, further comprising the acts of providing wiring, installing the wiring in the vehicle, and connecting the transmitter and the audio source with the wiring.